

## ABSTRACT OF THE DISCLOSURE

A method and system for extending the capabilities of a handheld device by providing a framework within which small handheld devices can use their helper environment, the devices around them, to expand their limited capabilities. Such a framework can be deployed in the office, at home for user convenience or in a public access area as a revenue generating service. A handheld device interacts with the helper environment through several essential steps including device discovery, service query, request transfer and remote control. In order to ensure the proper operation of such an environment, the framework provides essential system components for admission control, resource allocation, task scheduling and device coordination.

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